PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

NOTIFICATION OF TRANSMITTAL OF COPIES OF TRANSLATION OF THE INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (CHAPTER I OR CHAPTER II OF THE PATENT COOPERATION TREATY) (PCT Rules 44bis.3(c) and 72.2)

HASEGAWA, Yoshiki SOE! PATENT AND LAW FIRM, Ginza First Bldg., 10-6, Ginza 1-chome, Chuo-ku, Tokyo 1040061 **JAPON**

Date of mailing (day/month/year) 31 August 2006 (31.08.2006) Applicant's or agent's file reference IMPORTANT NOTIFICATION FP04-0406-00 International application No. International filing date (day/month/year) 16 December 2004 (16.12.2004) PCT/JP2004/018844 Applicant HAMAMATSU PHOTONICS K.K. et al

1.	Transmittal	of the	translation	to	the applicant.
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The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Yoshiko Kuwahara



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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference FP04-0406-00	FOR FURTHER ACTION	See item 4 below		
International application No. PCT/JP2004/018844	International filing date (day/month/year) 16 December 2004 (16.12.2004)	Priority date (day/month/year) 19 December 2003 (19.12.2003)		
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237				
Applicant HAMAMATSU PHOTONICS K.K.				

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1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis. 1(a).					
2.	This REPORT consists of a total of 4 sheets, including this cover sheet.					
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.					
3.	This report contains indications relating to the following items:					
	Box No. I	Basis of the report	,			
	Box No. II	Priority				
	Box No. III	Non-establishment of opini applicability	ion with regard to novelty, inventive step and industrial			
	Box No. IV	Lack of unity of invention				
	Box No. V	Reasoned statement under applicability; citations and	Article 35(2) with regard to novelty, inventive step or industrial explanations supporting such statement			
	Box No. VI	Certain documents cited				
	Box No. VII	Certain defects in the international application				
	Box No. VIII	Certain observations on the	e international application			
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).					
			Date of issuance of this report			
			22 August 2006 (22.08.2006)			
	The International Burn		Authorized officer			
1	34, chemin des Co 1211 Geneva 20, S		Yoshiko Kuwahara			

e-mail: pt07@wipo.int

Facsimile No. +41 22 338 82 70 Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

rom the	AL SEARCHING AUTHOR	TTY		MANS	
To:	AL JUNCTING ACTION			PCT PCT	
				ITTEN OPINION OF THE IONAL SEARCHING AUTHORITY	
				(PCT Rule 43bis.1)	
			Date of mailing (day/month/year)		
Applicant's or a	gent's file reference		FOR FURTHER	ACTION	
FP04-04	106-00			See paragraph 2 below	
International ap	plication No. 2004/018844	International filing date (day/month/year)	Priority date (day/month/year) 19.12.2003	
	tent Classification (IPC) or both		dIPC		
Applicant	rsu photonics	К.К.	, , , , , , , , , , , , , , , , , , ,		
HAMPINA.					
1. This o	opinion contains indications rela	ating to the following item:	s:		
. M					
	Box No. I Basis of the	e opinion			
님	Box No. II Priority		11.1.11.11.174		
Box No. III Box No. IV Lack of unity of invention Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement			regard to novelty, inventive step and industrial applicability		
			novelty, inventive step or industrial		
		cuments cited	in supporting seen en	····	
		fects in the international ap	plication		
		servations on the internation			
	THER ACTION				
Inter than	national Preliminary Examining	g Authority ("IPEA") exce e chosen IPEA has notifie	pt that this does not a d the International Bu	ill be considered to be a written opinion of the oply where the applicant chooses an Authority other treau under Rule 66.1bis(b) that written opinions of	
writt	is opinion is, as provided above en reply together, where approvided above (ISA/220 or before the expiration	opriate, with amendments	s, before the expiration	A. the applicant is invited to submit to the IPEA as on of 3 months from the date of mailing of Form r expires later.	
For f	further options, see Form PCT/I	SA/220.			
3. For t	further details, see notes to Form	n PCT/ISA/220.			
Name and mar	iling address of the ISA/JP		Authorized officer		
	-				
			Talanha : - Na		
Facsimile No.			Telephone No.		

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/018844

Во	x No. I	Basis of this opinion
1.	With filed.	regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under
	-	Rule 12.3 and 23.1(b)).
2.	With inver	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed nation, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		in written format
		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4	. Add	litional comments:
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/018844

Box	No. V Reasoned statemen	t under Ru nations suc	tle 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; oporting such statement	
1.	Statement Statement			
	Novelty (N)	Claims	1-12, 15-17	YES
		Claims	13, 14	NO
	Inventive step (IS)	Claims	1-12, 15-17	YES
		Claims	13, 14	NO
	Industrial applicability (IA)	Claims Claims	1-17	YES NO

2. Citations and explanations:

Document 1: Schmidt W, Long term delayed luminescence: A possible fast and convenient assay for nutrition deficiencies and environmental pollution damages in plants, Plant and Soil, June 1988, Vol.109, No.1, pp.79-83

Claims 13 and 14

The inventions described in claims 13 and 14 do not appear to be novel or involve an inventive step based on document 1 cited in the ISR. Document 1 describes measuring delayed fluorescence of an aqueous solution sample in which alga having a photosynthesis function is mixed. Also, having a sample to stand by for a prescribed period of time in a light shielding state prior to measuring delayed fluorescence is considered to be naturally carried out in document 1 as well.

Claims 1-12 and 15-17

A specific technology of evaluating a fluorescent time change using a comparison sample to measure delayed fluorescence of an aqueous solution sample having a photosynthesis function described in claims 1-12, and an evaluation kit described in claims 15-17 are not described in any of the documents suggested in the ISR.